

L NUMBER	HITS	SEARCH TEXT	DB	TIME STAMP
	426	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE	USPAT;	2003/11/19
	0	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE) AND ((QUASI ADJ INDEPENDENTLY) OR (SEMI ADJ INDEPENDENTLY))	US-PQFVB	10:09
	276	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE) AND 372/.CCLS.	USPAT;	2003/11/19
	47	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH INDEPENDENTLY) AND (MIRROR OR REFLECTOR) AND TEMPERATURE	US-PQFVB	09:33
	1	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH INDEPENDENTLY) AND (MIRROR OR REFLECTOR) AND TEMPERATURE	USPAT;	2003/04/24
	4	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH INDEPENDENTS4) AND (MIRROR OR REFLECTOR) AND TEMPERATURE	US-PQFVB	16:06
	200	((QUASI ADJ PERM) OR (QUASI NEAR PERM))	USPAT;	2003/04/25
	5	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	07:20
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	USPAT;	2003/04/24
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	16:23
	200	((QUASI NEAR PERM))	USPAT;	2003/04/25
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	06:54
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	USPAT;	2003/04/25
	51	372/.CCLS. AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	07:18
	83	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	USPAT;	2003/04/25
	83	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	07:05
	2	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	USPAT;	2003/04/25
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	US-PQFVB	07:07
	3	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (MULTI OR GROUP) NEAR QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE AND ((QUASI ADJ PERM) OR (QUASI NEAR PERM)))	USPAT;	2003/04/25
	2	("5222087" "5284791").PN.	US-PQFVB	07:14
	81	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR)	USPAT;	2003/04/25
	125	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) SAME TEMPERATURE) AND (MIRROR OR REFLECTOR)	US-PQFVB	07:16
	62	372/.CCLS. AND (VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR)	USPAT;	2003/04/25
	48	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND ((QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLS.	US-PQFVB	09:11

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2	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLJ.	USPAT	2003/04/25 13:33
27	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLJ.) AND (BARRIER NEAR (REGION OR FILM OR MEDIUM OR LAYER)	USPAT	2003/04/25 09:29
27	VCSEL AND ((ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) SAME (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLJ.	USPAT	2003/04/25 13:33
18	VCSEL AND ((ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) SAME (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLJ. AND (BARRIER NEAR (REGION OR FILM OR MEDIUM OR LAYER)	USPAT	2003/04/25 09:33
20	VCSEL AND ((ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) SAME (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND (BARRIER NEAR (REGION OR FILM OR MEDIUM OR LAYER)	USPAT	2003/04/25 09:35
2	(VCSEL AND ((ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) SAME (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND (BARRIER NEAR (REGION OR FILM OR MEDIUM OR LAYER)) NOT (VCSEL AND ((ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) SAME (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND 372/.CCLJ.)	USPAT; US-PQPUB	2003/04/25 11:23
11	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) SAME TEMPERATURE) AND (MIRROR OR REFLECTOR)	USPAT	2003/04/25 13:58
10	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) SAME TEMPERATURE) AND (MIRROR OR REFLECTOR) AND BARRIER	USPAT	2003/04/27 08:28
1361	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) SAME TEMPERATURE)	USPAT	2003/04/27 08:30
91	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) SAME TEMPERATURE) AND VCSEL	USPAT	2003/04/27 08:30
736	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE)	USPAT	2003/04/27 08:31
60	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE) AND VCSEL	USPAT	2003/11/28 08:51
53	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE) AND VCSEL AND BARRIER	USPAT	2003/04/27 08:30
218	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE SAME BARRIER)	USPAT	2003/04/27 08:31
218	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE SAME BARRIER)	USPAT	2003/04/27 08:31
22	((MQW OR (MULTI OR GROUP) NEAR (QUANTUM NEAR WELL) OR (QUANTUM NEAR WELLS) WITH TEMPERATURE SAME BARRIER) AND VCSEL	USPAT	2003/11/19 10:00
0	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE) AND ((QW AS OR SEMI OR NON) AND) INDEPENDENTS4)	USPAT; US-PQPUB	2003/11/19 09:33
1	(VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) AND (MIRROR OR REFLECTOR) AND TEMPERATURE) AND ((QW AS OR SEMI OR NON) AND) INDEPENDENTS4)	USPAT; US-PQPUB	2003/11/19 10:08
98	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR)	USPAT; US-PQPUB	2003/11/28 08:48
66	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR)	USPAT	2003/11/19 11:31
2	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE) AND (MIRROR OR REFLECTOR)	USPAT	2003/11/19 11:36
0	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE) AND (MIRROR OR REFLECTOR) AND INDEPENDENTS4	USPAT	2003/11/19 11:33
0	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI NEAR QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE) AND (MIRROR OR REFLECTOR)	USPAT	2003/11/19 14:12
1	VCSEL AND (ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI NEAR QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE OR RANGE) AND (MIRROR OR REFLECTOR)	USPAT	2003/11/19 14:12

1	VCSEL AND ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (MQW OR (MULTI NEAR QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE OR RANGE) AND (MIRROR OR REFLECTOR OR DBR)	USPAT	2003/11/19 14:18
8	VCSEL AND ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE OR RANGE) AND (MIRROR OR REFLECTOR OR DBR)	USPAT	2003/11/19 14:19
19	VCSEL AND ACTIVE NEAR (REGION OR FILM OR MEDIUM OR LAYER) AND (QW OR (QUANTUM NEAR WELL) WITH TEMPERATURE WITH (DIFFERENT OR CHANGE OR RANGE) AND (MIRROR OR REFLECTOR OR DBR)	USPAT; US-PQVUB; EPO; JPO; DERWENT	2003/11/19 14:20
148	(MQW OR (QUANTUM NEAR WELLS) WITH TEMPERATURE) AND VCSEL AND ACTIVE	USPAT	2003/11/28 08:52
119	(MQW OR (QUANTUM NEAR WELLS) WITH TEMPERATURE WITH ACTIVE) AND VCSEL	USPAT	2003/11/28 08:52
108	(MQW OR (QUANTUM NEAR WELLS) NEAR3 TEMPERATURE WITH ACTIVE) AND VCSEL	USPAT	2003/11/28 08:53
4	(MQW OR (QUANTUM NEAR WELLS)) NEAR3 TEMPERATURE WITH ACTIVE) AND VCSEL	USPAT	2003/11/28 08:57
4	(MQW OR (QUANTUM NEAR WELLS)) NEAR3 TEMPERATURE WITH ACTIVE) AND VCSEL AND MIRROR	USPAT	2003/11/28 08:57